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(FILE 'HOME' ENTERED AT 14:15:12 ON 20 JUN 2006)

FILE 'MEDLINE, SCISEARCH, CAPLUS, BIOSIS' ENTERED AT 14:15:22 ON 20 JUN 2006

L1 2498 S CHIMER? (L) (FOWL OR BIRD OR CHICKEN OR HEN)
L2 45 S L1 (L) (EMBRYONIC STEM CELL)
L3 25 DUP REM L2 (20 DUPLICATES REMOVED)
L4 11 S L3 AND PY<=2002
L5 11 SORT L4 PY
L6 14 S L3 NOT L5
L7 14 FOCUS L6 1-
E ETCHES ROBERT?/AU
L8 42 S E2
L9 3 S L8 AND L3
L10 3 DUP REM L9 (0 DUPLICATES REMOVED)

=> d ti so au ab pi l10 1-3

L10 ANSWER 1 OF 3 MEDLINE on STN
TI High-grade transgenic somatic **chimeras** from **chicken embryonic stem cells**.
SO Mechanisms of development, (2006 Jan) Vol. 123, No. 1, pp. 31-41.
Electronic Publication: 2005-12-01.
Journal code: 9101218. ISSN: 0925-4773.
AU van de Lavoie Marie-Cecile; Mather-Love Christine; Leighton Philip;
Diamond Jennifer H; Heyer Babette S; Roberts Rhys; Zhu Lei;
Winters-Digiaccinto Peggy; Kerchner Allyn; Gessaro Terri; Swanberg Susan;
Delany Mary E; **Etches Robert J**
AB Male and female embryonic stem (ES) cell lines were derived from the area
pellucidae of Stage X (EG&K) chicken embryos. These ES cell lines were
grown in culture for extended periods of time and the majority of the
cells retained a diploid karyotype. When reintroduced into Stage VI-X
(EG&K) recipient embryos, the cES cells were able to contribute to all
somatic tissues. By combining irradiation of the recipient embryo with
exposure of the cES cells to the embryonic environment in diapause, a high
frequency and extent of chimerism was obtained. High-grade chimeras,
indistinguishable from the donor phenotype by feather pigmentation, were
produced. A transgene encoding GFP was incorporated into the genome of
cES cells under control of the ubiquitous promoter CX and GFP was widely
expressed in somatic tissues. Although cES cells made extensive
contributions to the somatic tissues, contribution to the germline was not
observed.

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
TI **Chimeric bird** from **embryonic stem cells** containing transgene
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2
IN **Etches, Robert J.**; Van de Lavoie, Marie-Cecile; Heyer, Babette;
Diamond, Jennifer; Mather, Christine; Beemer, Kathleen; Myers, Heather
AB Sustained cultures of avian **embryonic stem cells** are provided. Injection of avian **embryonic stem cells** into recipient embryos yields **chimeras** with a significant contribution from the **embryonic stem cell** phenotype. Transgene encoding exogenous proteins are stably integrated in the **embryonic stem cells** and are present in the somatic tissue of the resulting **chimeras**. The transgenes may encode exogenous proteins expressed in endodermal, ectodermal, mesodermal, or extra embryonic tissue. Breeding the resulting **chimera** yields transgenic **birds** whose genome is comprised of exogenous DNA.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003064627	A2	20030807	WO 2003-US3235	20030203
	WO 2003064627	A3	20031204		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003170888	A1	20030911	US 2002-67148	20020201
	CA 2480012	AA	20030807	CA 2003-2480012	20030203
	EP 1476538	A2	20041117	EP 2003-710832	20030203
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
L10	ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN				
TI	Tissue specific expression of exogenous proteins in transgenic chickens				
SO	U.S. Pat. Appl. Publ., 42 pp., Cont.-in-part of U. S. Ser. No. 67,148. CODEN: USXXCO				
IN	Zhu, Lei; Winters-Digiacinto, Peggy; Etches, Robert J.				
AB	Transgenes encoding exogenous proteins are stably integrated into embryonic stem cells and are present in the somatic tissue of transgenic or chimeric birds . The transgenes encode exogenous proteins and are expressed in any of endodermal, ectodermal, mesodermal, or extra embryonic tissue. Tissue specificity is provided by selecting the content of the transgene accordingly. Transgenic birds whose genome is comprised of transgene derived exogenous DNA express exogenous proteins with tissue specificity, and specifically express exogenous proteins in the tubular gland cells of the oviduct to concentrate exogenous proteins in egg white.				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003172387	A1	20030911	US 2002-216098	20020809
	US 2003170888	A1	20030911	US 2002-67148	20020201
	CA 2495100	AA	20040219	CA 2003-2495100	20030811
	WO 2004015123	A1	20040219	WO 2003-US25270	20030811
	WO 2004015123	C1	20050317		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2003258191	A1	20040225	AU 2003-258191	20030811
	EP 1539981	A1	20050615	EP 2003-785241	20030811
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	JP 2005535331	T2	20051124	JP 2004-528087	20030811
	US 2006053504	A1	20060309	US 2005-524089	20050209